IP Link® Device Interface Communication Sheet

This document provides additional assistance with wiring your Extron IP Link enabled product to your device. Different components may require a different wiring scheme than those listed below.

For complete operating instructions, refer to the user's manual for the specific Extron IP Link enabled product or the controlled device manufacturer supplied documentation.

Device Specifications:

Device Type: Display
Manufacturer: Sharp
Firmware Version: N/A
Model(s): LC-60C7450U, LC-60C8470U, LC-70C7450U, LC-70C8470U

Version History:

Driver Version	Date	IP Link Compiler	GC Version	Notes
1	10/29/2012	1.5.1	3.3.2	Initial version.

Driver Notes:

Control Commands & States:

Aspect Ratio	Side Bar	Smart stretch	Zoom
	Stretch	Normal (PC)	Zoom [PC]
	Stretch [PC]	Dot by Dot	Full Screen
	Auto	Original	Toggle
Audio Mute	On	Off	Toggle
Channel Number	0 to 9	.	Enter
	Clear		
Channel TV (Step)	Up	Down	
Closed Caption	Toggle		
Freeze	Toggle		
Input	TV	HDMI1	HDMI2
	HDMI3	HDMI4	Component
	Video 1	Video 2	PC
	Toggle		
Menu Navigation	Up	Down	Left
	Right	Menu	Enter
	Exit		
Power Control	On	Off	Toggle
Tuner Mode	Analog Air	Digital Air	Digital Cable 1
	Digital Cable 2		
Volume (Discrete)	0 to 60 in steps of 1		
Volume (Step)	Up	Down	

Status Available:

Aspect Ratio	Side Bar	Smart stretch	Zoom
	Stretch	Normal (PC)	Zoom [PC]
	Stretch [PC]	Dot by Dot	Full Screen
	Auto	Original	
Audio Mute	On	Off	
Connection Status	Connected	Disconnected	
Input	PC	HDMI1	HDMI2
	HDMI3	HDMI4	Component
	Video 1	Video 2	
Power Control	On	Off	
Volume (Discrete)	0 to 60 in steps of 1		

MLC60 Series Supported Commands:

Aspect Ratio	Side Bar	Smart stretch	Zoom
	Stretch	Normal (PC)	Zoom [PC]
	Stretch [PC]	Dot by Dot	Full Screen
	Auto	Original	Toggle
Audio Mute	On	Off	Toggle
Channel TV (Step)	Up	Down	
Closed Caption	Toggle		
Freeze	Toggle		
Input	TV	HDMI1	HDMI2
	HDMI3	HDMI4	Component
	Video 1	Video 2	PC
	Toggle		
Menu Navigation	Up	Down	Left
	Right	Menu	Enter
	Exit		
Power Control	On	Off	Toggle
Volume (Discrete)	0 to 60 in steps of 1		
Volume (Step)	Up	Down	

*To keep RS232 port open during standby, the “RS232 Enable” needs to be configured on the “Power Off” button on MLC60 series.

Cable and Adapter Requirements:

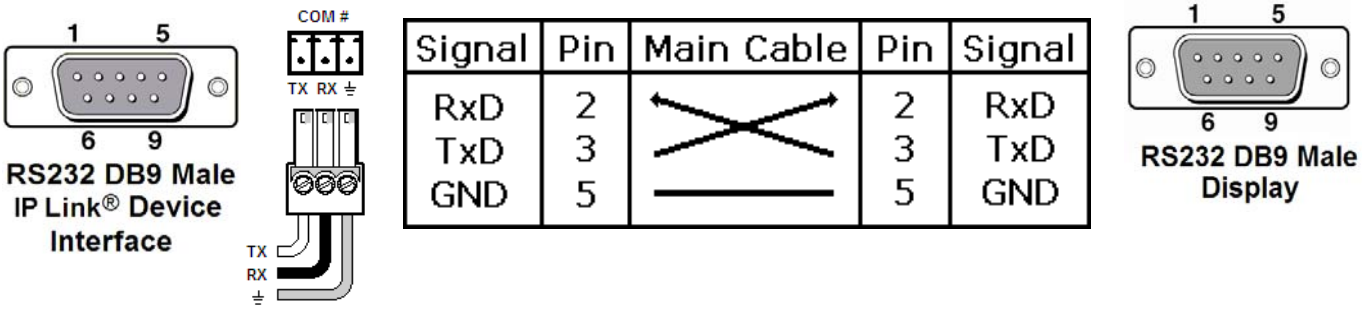
F/F RS-232 Null Modem Serial Cable.

Notes for the Device:

Serial communication:

Port Type:	RS-232	**Parity:**	None
Baud Rate:	9600	**Stop Bits:**	1
Data Bits:	8	**Flow Control:**	None

Pin Assignments Diagram:



Note: Captive screw connector may also be used as a serial connection.

General Notes: